

WHAT IS CLAIMED IS:

1. A mobile communication method for controlling a transfer switching during communication between a plurality of terminals sharing a same number and a communication control station,

wherein any one of said plurality of terminals comprises steps of:

determining whether or not to switch a transfer to any of the terminals sharing the same number;

authenticating, if it is determined that the transfer is to be switched, one of said terminals sharing the same number to which the transfer is switched; and

outputting a transfer switching request according to the authenticated terminal to said communication control station, and

wherein said communication control station comprises a step of:

performing a process of switching the transfer to said authenticated terminal based on said transfer switching request outputted from said terminal.

2. The mobile communication method as claimed in claim 1, wherein if said one terminal is communicating, this terminal automatically authenticates one of the other terminals with which said terminal can communicate by using the same number, and

the authenticating terminal outputs a transfer switching request according to said another authenticated terminal to said communication control station.

5 3. The mobile communication method as claimed in claim 1, wherein if said one terminal is communicating, this terminal automatically authenticate one of the other terminals with which said terminal can communicate by using the same number, and

10 said another authenticated terminal outputs a transfer switching request according to the authenticated terminal to said communication control station.

4. The mobile communication method as claimed in any one
15 of claims 1 to 4,

wherein said communication control station further comprises steps of:

storing a switching request information concerning the transfer switching request corresponding to said each
20 terminal sharing the same number;

determining whether said authenticating terminal or said another authenticated terminal has provided an output; and

performing, if it is determined that said another
25 terminal has provided an output, a process of switching the transfer based on said switching request information stored in said storage means.

5. A mobile communication system for controlling a transfer switching during communication between a plurality of terminals sharing a same number and a communication control station,

wherein any one of said plurality of terminals comprises:

determination means for determining whether or not to switch a transfer to any of the terminals sharing the same number;

authentication means for authenticating, if it is determined that the transfer is to be switched, one of said terminals sharing the same number to which the transfer is switched; and

output means for outputting a transfer switching request according to the authenticated terminal to said communication control station, and

wherein said communication control station comprises:

transfer switching means for performing a process of switching the transfer to said authenticated terminal based on said transfer switching request outputted from said terminal.

6. The mobile communication system as claimed in claim 5, wherein

said authentication means comprising:

if said one terminal is communicating, this terminal automatically authenticate one of the other terminals with which said terminal can communicate by using the same number, and

5 said output means comprising:

the authenticating terminal outputs a transfer switching request according to said another authenticated terminal to said communication control station.

10 7. The mobile communication system as claimed in claim 5, wherein:

 said authentication means comprising:

 if said one terminal is communicating, this terminal automatically authenticates one of the other terminals
15 with which said terminal can communicate by using the same number, and

 said output means comprising:

 said another authenticated terminal outputs a transfer switching request according to the authenticated
20 terminal to said communication control station.

8. The mobile communication system as claimed in any one of claims 5 to 7,

 wherein said communication control station further
25 comprising:

 storage means for storing a switching request information concerning the transfer switching request

corresponding to said each terminal sharing the same number;

determination means for determining whether said authenticating terminal or said another authenticated
5 terminal has provided an output; and

control means for performing, if it is determined that said another terminal has provided an output, a transfer switching process based on said switching request information stored in said storage means.

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9. A communication control station for controlling a transfer switching for communication between a plurality of terminals sharing the same number,

the station comprises of:

15 storage means for storing a switching request information concerning a transfer switching request corresponding to said each terminal sharing the same number; and

control means for performing a transfer switching
20 process based on said switching request information stored in said storage means.

10. The communication control station as claimed in claim 9, wherein

25 said switching request information stored in said storage means includes at least the same number shared among terminals, a device number, a location information

and an availability flag,

wherein the location information and the availability flag correspond to the device number.

- 5 11. A terminal device for controlling a transfer switching for communication between other terminals sharing a same number,

the device comprises of:

- 10 detection means for detecting a terminal available for the same number;

transfer request means for performing a transfer request to the detected terminal available for the same number, and

- 15 authentication request means for performing an authentication request based on said transfer request received from said terminal available for the same number.

12. A method for controlling a transfer switching for communication between at least two terminals sharing a same number,

the method comprises the steps of:

detecting a terminal available for the same number among terminals sharing the same number of the predetermined terminal,

- 25 performing a transfer request to the detected terminal available for the same number, and

performing an authentication request based on said

transfer request received from said terminal available for
the same number.

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